

ABSTRACT

An audio device having a primary audio purpose of producing a programmed audio output for a listener. The audio device comprises sound-generating components that generate the programmed audio output, and these
5 components include an emitter that audibly emits this programmed output at a playing volume. A proximity sensor senses the distance to the listener, and this sensed distance corresponds to the distance between the listener and the emitter. Volume-adjusting components adjust the playing volume to prevent it from being at an unacceptable level for the sensed distance.